ASUS ROG STRIX B760-I GAMING WIFI Intel B760 LGA 1700 mini ITX

Model: 90MB1D90-M1EAY0

Manufacturer: ASUS

EAN: 195553997652

Product Code: 1741012

R5,573

Let your rig run wild with the ROG Strix B760-I, a feisty foundation for your next SFF build. Boasting hyperfast DDR5 memory, low-latency WiFi 6E networking, and a future-ready PCIe 5.0 slot, it sets you up for savage speeds, all while giving you incredible 13th Gen support thanks to its powerful VRM and thermal solution.

DIY-FRIENDLY FEATURES

M.2 Q-LATCH

The innovative Q-Latch makes it easy to install or remove an SSD from an M.2 slot. The design employs a simple locking mechanism to secure the drive, eliminating the need for a traditional

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screw.

Q-LED

Four onboard LEDs indicate power status and identify problems with CPU, memory, graphics card, or boot device for quick diagnosis.

PRE-MOUNTED I/O SHIELD

The patented ROG I/O shield is finished in sleek matte black and comes pre-mounted, which further simplifies the process of installing the motherboard.

ALL-ROUND PERFORMANCE

Bulking up where it counts, the ROG Strix B760-I bears an octet of power stages mounted with a hefty cooling array to give you all the fury of Raptor Lake. To pack on the FPS, the PCIe 5.0 slot is primed for the mightiest graphics card you can fit your chassis, and the memory slots can handle dizzying DDR5 speeds.

POWER ARCHITECTURE

8 + 1 power stages each rated to 80A deliver ample current to drive the most powerful Intel 13th Gen processors through any workload with ease.

ALLOY CHOKES AND DURABLE CAPACITORS

High-end chokes and durable capacitors are engineered to resist extreme temperatures, enabling performance that exceeds industry standards.

EIGHT-LAYER PCB

A multi-layered printed circuit board design quickly dissipates heat around the voltage regulators to improve overall system stability.

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DDR5 DOMINATION

ROG has a long legacy of flexing the fastest memory performance, and DDR5 is no outlier. Thanks to improved signal routing, now enthusiast-grade kits have been driven far beyond the 7 GT/s mark on the Strix B760-I, and who knows how far future DIMMs can go? Seasoned veterans can test their mettle by tinkering with the extensive array of tuning options in the UEFI.

AEMP II

ASUS Enhanced Memory Profile (AEMP) is an exclusive hardware and firmware solution to overclock generic memory modules. AEMP’s second version allows for automatic tuning of kits during system startup and leverages the PCB trace optimizations of the Strix B760-I to push frequencies higher than ever before. AEMP II can even overclock mixed kits in a quad-DIMM arrangement, and the vast library of support now extends to nearly every DDR5 module that does not otherwise have XMP support.

VRM HEATSINK ARRAY

Covering the power solution are two thick heatsinks with strategic airflow channels for increased heat dissipation while powering high-performance Intel 13th Gen processors.

M.2 HEATSINK

A large heatsink covers the front NVME SSD slot to help keep your drive at optimal temperatures for consistent performance and reliability.

M.2 BACKPLATE

Additional mass is underneath the slot to deal with the thermal load of high-performance M.2 drives.

CPU FAN HEADER

Positioned near the top of the motherboard, a PWM/DC fan header gives easy access for CPU coolers.

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AIO PUMP FAN HEADER

A dedicated PWM/DC header connects self-contained water-cooling setups.

4-PIN FAN HEADER

The Strix B760-I features a chassis fan header that auto-detects any PWM or DC fan connected to it.

LEADING CONNECTIVITY

Massive throughput flows through the ROG Strix B760-I via advanced networking adapters and high-bandwidth USB connectors, allowing you to rip through games with no interference, and crystal clear on-board audio keeps you immersed in the experience.

The x16 expansion slot is ready for the future with incredible PCIe 5.0 bandwidth, and it is protected with a SafeSlot retention bracket to support the bulk of the latest graphics cards. Zippy storage comes courtesy of the pair of PCIe 4.0 M.2 slots, one under the front-side heatsink, and the other positioned on the back to save space.

WIFI 6E

Onboard WiFi 6E technology takes advantage of newly available spectrum in the 6 GHz band to provide up to seven 160 MHz channels for ultrafast throughput and better performance in dense wireless environments.
*WiFi 6E availability and features are dependent on regulatory limitations and co-existence with 5 GHz WiFi.

Intel 2.5G Ethernet

Low-latency gaming, speedy file transfers, and high-resolution video streaming are among the many perks of onboard Intel® 2.5 Gbps Ethernet.

The Strix B760-I comes loaded with multiple high-speed USB options. Five of the rear I/O ports are USB 3.2-compliant, with the fastest being a USB 3.2 Gen 2x2 Type-C® port for data transfers up to 20 Gbps. A chassis port can also receive turbo treatment via the USB Gen 3.2 Gen 2 front-panel

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connector.

SUPREMEFX

ROG SupremeFX is a unique blend of hardware and software technologies that provide superior audio. The Strix B760-I implementation features the S1220A codec for high-resolution playback up to 32-bit/192 kHz across all channels. Front-panel output is streamed through the integrated Savitech amplifier that can drive high-fidelity acoustics to a wide variety of speakers and headsets.

PLAY IN STYLE

The black shrouds and PCB of the Strix B760-I pair well with most products from the diverse ROG ecosystem, all while making your build distinct with a dash of polychromatic contrast.

UNDENIABLY ROG STRIX

In compact builds with a vertically-mounted graphics card, the ROG Strix B760-I keeps a low profile, as only the top of a wavy grid decal is likely to peek through. But if the build has a bit more space, a pair of bold pastel insignias give some colorful flair amid the otherwise stealthy fascia.

COOLER COMPATIBILITY

The ROG Strix B760-I bears the same LGA 1700 socket as Z690 and B660 models, so many existing coolers are compatible, including all AIO offerings from ASUS and ROG.

THE ROG STRIX ECOSYSTEM AWAITS

Level up your game with ROG Strix. Enjoy complimentary aesthetics, control, and compatibility across AIO coolers, cases, peripherals, and much more. ROG offers more choices than any other brand.

SOFTWARE UTILITIES

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Customize your rig through a suite of intuitive software and firmware utilities that let you maximize performance and tweak your experience to your liking.

TWO-WAY AI NOISE CANCELATION

This utility leverages a massive deep-learning database to reduce over 5 million types of background noise from incoming or outgoing audio, helping ensure crystal-clear communication in games or calls.

The renowned ROG UEFI (BIOS) provides everything you need to configure, tweak, and tune your rig. It offers intelligently simplified options for newcomers to PC DIY, as well as more comprehensive features for seasoned veterans.

AI Suite 3 gives you digital power controls and hardware monitoring directly from the OS. Intuitive sliders and dials let you take command of your VRM, including tweaking load-line calibration, switching frequency, and voltage droop, all while tracking CPU vitals and fan speeds in real time.

Sonic Studio supports HRTF-based (head-related transfer function*) virtual surround for headsets, casting an immersive aural landscape that draws you deeper into the action. The intuitive Sonic Studio interface also offers a range of EQ options and one-click presets, allowing you to tailor acoustics to suit personal preferences or the characteristics of your headset.

Through the pre-loaded DTS® Sound Unbound™ app, the ROG Strix B760-I envelops you in rich audio, conjuring whole new levels of immersion for extraordinary gaming and entertainment experiences. By exploiting Microsoft spatial sound technology, DTS Sound Unbound creates an audial 3D space — putting you right in the middle of the soundscape, where you can sense the location and direction of every gunshot, footstep, or other sound in your virtual environment.
* DTS Sound Unbound requires in-game support. Check with developers for supported titles.

The ROG Strix B760-I includes a sixty-day AIDA64 Extreme subscription, a tool that provides detailed information about hardware and software, as well as benchmarks to measure the performance of the entire system or individual components. AIDA64 Extreme includes a monitoring and diagnostics feature to detect and prevent hardware issues. All vital system sensors can be tracked in real time, allowing voltage readings, fan speeds, and temperature information to be displayed on the desktop or sent to dedicated displays or to the LCD panels of ROG AIO liquid coolers*.

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Armoury Crate is a software utility designed to give you centralized control of supported gaming products, making it easy to tune the look and feel of your system. From a single intuitive interface, Armoury Crate helps you customize RGB lighting and effects for compatible devices and synchronize them with Aura Sync to create a unified lighting scheme across your system. In addition, Armoury Crate’s Fan Xpert4 tool provides comprehensive control over fans, water pumps, and all-in-one (AIO) coolers.

You can use Armoury Crate to download drivers, tools, and user manuals, and to register products. It also taps into a special news feed that connects you to the global ASUS gaming community.

*Windows 10 or 11 required for full Aura Sync functionality within Armoury Crate. For Windows 8 and earlier versions, standalone Aura Sync software is available for free download from the product support site.

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